

a current sampling circuit inductively coupled to one of the output electrodes;
a linear conversion circuit coupled to the current sampling circuit and the power selection system of the electrosurgical generator; and
a feedback correction circuit coupled to the liner conversion circuit, the power selection system and a radiofrequency stage, the feedback correction circuit being adapted to receive a control voltage signal from the power selection system and a linear converted signal from the linear conversion circuit to produce a feedback control signal, the feedback control signal adapted to be supplied to the power selection system to control electrosurgical energy created at the pair of output electrodes.

2 N (New) A control circuit according to claim 1, wherein the current sampling circuit produces a signal proportional to an average current flowing through the one output electrode.

3 12 (New) A control circuit according to claim 1, wherein the radio frequency stage includes a primary transformer winding, the feedback correction circuit being coupled to the primary transformer winding to adjust the amplitude of the feedback control signal.

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~~13.~~ (New) A method for maintaining a generally constant output power from an electrosurgical generator having a power selection system which supplies a high voltage signal to create electrosurgical energy between two output electrodes, the method including the steps of:
 inductively coupling to one output electrode;
 sensing the current flowing through the output electrode;
 producing a sampled current signal proportional to the average current flowing through the output electrode;
 producing a linear converted signal;
 providing a control voltage signal from the power selection system;
 producing a feedback control signal from the control voltage signal and the linear converted signal; and
 supplying the feedback control signal to the power selection system to control the amount of electrosurgical energy created.--

REMARKS

Prior to examination, please enter the foregoing amendments to the claims. Claims 10-13 are now pending in this application. It is believed that the application as now presented is patentably distinct over the prior art and is in condition for allowance. In the event that the Examiner feels that a telephone conference or personal interview with Applicants' attorney may facilitate resolution of any remaining matters, he is respectfully requested to contact the